SEQ ID NO: 1

```
TGGTATCAGAGCAAGGTTCGTTTTTATGGCTTTCATGGGGTAATTCCTTT
AGATAGGAGCCGAAGGGCTCTGCTTTTCTCTAATTGAGTTACAAGTTTAT
GATTTAAATTGTTTAAATTGGAGCTGTATTCAGTCTTTCTTAGAAAAATG
AGCATGATTTCGATTATAGCTGGTCAAGGCTGTAGGGAAAAATGATTATG
TTTTATGCTAGTTGGTCCAAGAGAGCATGCCTACCCAAGAAAAAGTACCC
GAAGAGAATGGGGGAAAAATTGGTTCTTCGCATGTATGAGGATAATATCC
TAGAAACAGAACATAACCTGCGTGAAGTACTTACAAAGCCAAGATAATAT
CCTATATAGAAACATGGGCATCGTGAAGTATAAGACTGACTGAACTACAA
GCTCCTTTATAAACAAAAGGATCATAGACCTCGTACGTCAATACGGGTT
AAGCATCCTGGAGGAGTACTCCTATCTAGTTTACGAAAAGAAAGTCATTC
ACCTTGCATACAATTTATGGTCGAGAAAACTTGGGATCAAAAATTCCAGG
AATTTCTAAACTCATCTGAACTCACTCAAGCTCAACTTGAGTATCTTGAC
TTGGCAACGGAAGCCAAAGTCTCAAACAAAGATCTTGCTCATAATTTGCA
CATCAACACTTATCGACTAAGCCTTACAGGGAAGGTCCTTTGGACTTCTG
GAAGGAAAAATCGGGATTTACTTGTGCAGATAATCGGTGAGCAGGAGGCT
CAAAAGAAGGACTTATTGGAGTTGCAGAACTTAAGTAAGATTGTGCGCAG
CCAGCGTAACGATCTTAAGAAGGCTCACGAAAAGCTGGACGTCTTGTCTG
ATGAGCTTAAAGCTCTCAGAAAGGACTATCTGAAGAGGCGCCCCTTGAGC
AAAGAAGACGTTGAGGAATTAGTTTTGCGTATCTCTGAACAACCTAAGTT
CATAGAGAAGCAAACTGAGGCCTTAACTGAGGAGCTGACTAAAGAAGTTC
AAAATCTGAAAAAAATTATTCATGACTTTGAGCGAAAGCTCATGGGATGA
GTAATTCTATCACAAGCTCTGCAGTATACCAACAAGCAATTGCTGGAACA
ACTGGTGACTGGGAATCCCCTGGAGTAGGGATATCTGACCGTGGATCGGT
GAACAACACCCAGCTCACAAGACAACTCAACACCATTATATTCCTGTGTA
CAAAGACACAACAGGAAGTCTTAGCCTTAAAAGACACAGTAGCGGACATC
CAAAACCGCTTGAGAATACTTGAAAGGACCGGTGCAACATCAGCCGGTAC
CCCACAACTTAAGGGTGAAATTGACGCCATCAACGAGAAGTTATCAAGAA
TTCAACAAATTCAAGGGAGTCAACCAAGGAAAGACGGTGGTACTGCGGCC
ACTAGCAAAGTATTTCAAGACCCCTACAAACTTCTCAGAAATTTGAAGTA
ATGGCTCAAAGACCCAGAATTACCGGATCAAGAACCACCACTGCTGAAGA
AGGGACACCCTTAATTGACGACCAAATAAGGGAATATAGAAGCTCCAGAA
GAGCAGCATACGAAGCCCAACGAATTGCCAGGCAGACCGGCAATATTATT
GGAAGGGTTGTAGGACGACAACCCCGGGAGCATACACTATCTATGGTGGT
AGACCCGAATTCGGAGCTCAGCAGAAGTCTTGCCCACAGAGCAAGAACAG
TACCAGGAGAGGTACTATATATGACTCAACGAGACAGTCCTGTAAATAGA
ATCTACAGAAACAGGACAGAAGAAGAATGCTCGTAACCAACGGGCAACA
AGATAGATCTTTCATATATCAAGAATCATTTGAGGAGCTAGCCTCAGCAG
GATTTGAGTACATCCATCTGGGTGTATTACAAGTCAGGATCCAGATCATG
CATAGGACATATGCAGGCACGATGGCCTTAATAGTCTTTCGTGATACACG
ATGGACTCAGGAAGGAGAAGAAGGCAGATCCATTATTGGAGCTATGGAGG
CTGATCTGTCACAAGGCCACCAACTAATCTACGTCATCCCGGATATAATG
ATGACCATAAGGGATTTCTACCAACATGTACAAATCAGTATCCTAACTAA
GGGATACCAGGGATTCCAAGGTGAAGCAAATCTGCTGATTACCAGGAGCT
GTAGATGCAGACTCACCAATGTTCCCAACGTCGGATTCGCCTATAATATT
CAAAGAGTAGTGGAGTACTTAAACTCCAAAGGCGTTAAAGCTATACAAGC
TCAGAAGCTGAGTACAACAAAGTATCAGGGCACTGAATGGAACATCAAGC
CCTCCAATGTGGTTGTACCAATGCAACCAACGAATTTGATCACCAGAGTC
AACTACGACAACTCACGGAGTATACGATTTGGTAATTATCAAGCAAGCAC
```

```
ATCCTCAGCGCCACCAAAATACAACGAAGATGGAGATTCAGATGATGACA
TCCAAGCCACAATAGAGCATGTTAACATGCTTTATATTGAAGATACATCT
GATACTGACTATCCAGTCATGGCAGCTGAAGAGGAAATCTTTCCTCTTGA
AAACATGGTGGGAGAAGATGACATTATCTCCCAATTTTTGGAAAATTTGG
ATATCACGGATGATGAGGAAGATTCCAGATCACAATACGTGATGAATCTG
GAAGACAATGAAGAATTCCCACAACTCAGGGAAATTGAAAAAGTCTTATC
CTCAGTAGCTGAAACAGCAATCAGTTCATATAGACCACCAGATGCTGAAA
TGGGTGAAGAAGcACCCGCATATGCACCAGCTACAAGTGCAACAGGATGG
GCTGGATCAAGGCCTTTCCCCTTTATGCCCAAAGGAGGACCAAGGAGGTG
GGATTCCAACAATGAATTTTATTCATTACCTCCAGCACAAAGTCGGCAAG
GAGCCATGTTCGTCATGCCAATGGACTTTGACATCAAAGTATTCGAAAGG
TGGGAGAGCATTACCCTCCTACACATGACGGAAAAGATTTTTGATAATGC
TgaCGACAAAATGAGATACATGGAGAACCTTCTCGGAGAAGACGAGAAGA
AGCACTTCATTGAATGGAGGATGAAGTATACAGCAGAATATGAGACAATG
AAAGCTCAAGCACTCGGAGACCAAGGTACACAAAATATCATCAATCAAAT
TCGATTGATATTCTTTTTGGAAAATCCGCAAGTAGGAACTACTACTTCAC
AAGATGCGGCCTATAAAACCTTGAAGAGCCTGGTCTGCACAGAGATGACA
GACACAGCAATCTACAGATACATGAATGATTATTTCCATCTGTCAGCCAA
AACAGGAAGAGCATGGGCCTCAGAAGAATTATCCAAGGAATTCTTTACCA
AACTACCAAGAGGTCTAGGAGATGAGGTTGAAAAGGCATTCATGGAAAAA
CACCCAAGTAACACAGTAGGGATCACCGCAAGGATCACCTTTACCAAAAG
ATACCTAAAGGAACTGTGTGAAAAGGTAGCACTACAAAAAAGTATTGGCA
AAATGGATTTCTGCAGAAGCACGCCAGTACATGGTTTATACAGAGACAAG
TCATACAGAAAGTATGGAGCTAGAAAAAGTACATCCTACAAGGGAAAGCC
CCATAAATCCCATGTTAGGATTGGTAAGAAGAAATATTTATCCTTGAGAA
AGAAAAATTGCAGGTGTTATGCCTGTGGAGAAGAGGGACATTTCGCCTCT
GAATGCAAGAATCCAAGAAAGATCATGGATAGAGTCAAGGTTCTGGACTC
TCTAGACTTGGAAGATGGATTAGACGTTATCTCAGTCGGCTTTGATGAAG
ATGACGTATCAGACATCTATTCAATAGATGAAGAAGCTGATAACTACAGG
TTCACAAATGAAGAAATGGAAGGCTTCAAGAACTACGAGGTCTATATGTT
AAGAATGGAAGAGATGGATGAGCCAAGGGAATATCTCGTAGGAGAACCAT
CTGAATGGAGATCTAAGATGAAAGTCTCCAGAAGACAGTATTTCTGCAAG
CATGAGTGGAAATTTGAAGAGACTCATGTGACTATCTGCAAGGCATGCGG
ATCTGAAGCAGCTCCTAAGCATAGGATTGACTGCTTGAAATGTGAGATGA
CTGTTTGTCTCATGTGCCAACCCTGGTTCTATTTTTTCGTCAACACTGAA
GAAGTTAAGTTTTCCAGAGTTCGGATAGAAAGGGTAATTGATTGGAAGGA
TATTGCACTAAAACAACTCGAAGTTCTCAAGACCAGCATTGCAAATGAGA
AACAACTCTCAGAGGAAGTAGAAATCTTGAGGAAACAAAGCAAAGAGCTG
AAGGAAAAAGAACCAATCATCTTTGAAGAAGACACGGAGGAAACAGCTCA
ACTGATACAGAAGCTAGAAGACGTGGAAAGAGAAAATGAGCTTCTAAATA
TCCTTATCAAGCAGAAGGAAAAGGATGAAATCCAATACCTCAATGAGATT
ATAGAGCTCAAGGAAAGAATAAAAGATTTAGAGCAGCAACAGAAGGACAA
GGAAGAACAAGTAAATGTCCTTGAAGAAGTCTCGATTAACGCTCTGAGGC
CAAGGAACAACCATCTCAATATCAAATGTGAGATAGAAGTCAAAAACAAG
AAGGTAGTCCTGAACGCAATTCTTGACACTGGAGCTACAGTCTGTGTAGC
AGATGAGAGGATGATACCTTCAGGAATGAAAGAGCAGGCCAAAAACAAAA
TCATTATTCGAGGAGTCAACGGAGTCACTGAAGTAAACGAGGTGACATCA
GCGGGAAAGCTATGGGTTGGTAAGCAATGGTTCTACCTCCCTCAAACTTT
```

```
TATTATGCCTTCATTAGCTGATGGAGTTCATATGATCATAGGCATGAATT
TTATTAGAACTGTTGGCCTAAGGATAGAAAATGGTGAGGTCACAATTTAT
AAGATCATGACAACAGTACAAGCCCCACCAATAGTTCATGAGCTGAATTA
TATTGATGAACTAGAACTGGAACTTCATGAATACTATAACATATGTGCAG
CTGAGAGTTCTAGAGGGGAAATTTCTGAAGAATTTATATCTCCTGACATT
ATTGGAAAAATGAAAAAATTGGGATATATTGGAGAAGAACCTCTCAAACA
TTGGGAGAAAAATCAGGTGAAATGTAGGATTGAAGTAAAAAACCCTGATA
TGATTATTGAAGACAGGCCATTAAAACATGTTACCCCTACAATGAAAGAA
ACCATGGCTAAGCATGTCCAGAAGCTTTTAGAACTTAAAGTGATCAGGCC
TTCAAGCTCAAAACATAGAACAACGGCAATGATAGTAGAATCTGGGACAG
AGGTTGACCCAATGACTGGAAAGGAAAGAAGAGGAAAGGAGAGATTGGTG
TTTAACTATAAGAGGCTGAATGATAACACTGAAAAAGACCAGTACAGTTT
GCCTGGAATTAACACCATTATTAAGAGAATTGGAAATGCCAAGATCTATA
GCAAGTTTGATTTAAAGAGTGGGTTTCATCAAGTAGCAATGGACCCAGAG
TCTATTCCCTGGACGGCATTTTGGGCTATAGATGGGCTGTATGAGTGGCT
AGTTATGCCCTTTGGACTTAAAAATGCTCCTGCCATATTTCAACGAAAAA
TGGACAATTGCTTTAGAGGGACAGAGGATTTTATTGCGGTATACATTGAT
GACATACTAGTATTCTCTGAAACAATACACCAACATAAAGAGCATTTGAA
GAAATTTATGACAATCTGCGAGAAAAATGGTTTAGTCTTAAGTCCGACAA
AAATGAAAATTGGAACAAGACAGATTGACTTCCTAGGTGCAACTATTGGA
AACTCAAAAATTAAGTTGCAGCCTCATATTATTAAAAAGATCATCGAAAT
GAAAGATGAAGAACTAAAGGAAGTGAAAGGATTAAGGAAATGGCTGGGAA
TCCTTAATTATGCTAGGAGCTACATTCCGAAACTGGGAAAAATCCTTGGA
CCACTGTATGCCAAAACGAGTCCTAATGGAGAAAGAAGAATGAATACTCA
GGACTGGAAAATTGTCAAAGAGGTCAAGGAAGTTGTAGCTAATCTGCCAG
AACTTGAGTTACCCCCCGAAAAAGCTATCATGATAATTGAAACGGATGGC
TGTATGGAAGGCTGGGGAGGGGTATGTAAGTGGAAAACTGATAGTCTGCA
GCCAAGATGGTCAGAAAAGATCTGTGCTTATGCGAGCGGGAAATTCACTC
CCATCAAAAGCACAATTGACGCAGAGATACAGGCTGTAATAAACAGTTTA
GACAAGTTCAAGATATATTATCTTGATAAGAAAGAGCTCATAATCAGAAC
TGACAGTCAAGCAATAGTGAGCTTTTACAAGAAAAGCAGTGATCATAAAC
CATCAAGAGTCAGATGGCtTGCCTTCACAGATTACATTACCGGGACAGGT
CTTGAGATTAAGTTTGAACACATTGACGGAAAGGACAACGTTTTAGCAGA
CACTCTGTCAAGACTGGTAAAGATTATTCTCCATCCGGAAAAGCATCAAT
CTGAAGGTGTGTTGATCAATGCAGTGGAGGAGGTATTTCACAAGGGAAAC
ACCGATGCAAAACAGAGAGTTAATGATGTTGTAAAAAGATATGAAGACTG
GTTGACCAAAGGCTACAGGTTGCATCAAATCAATGTGCTAACACTAAGTG
AAGAGCCGGTTTTCAAATGTGGATGCAATAAACCAGCAAAACTGAAGATC
TCCAGAACATCCAGAAATCCTGACAGGGAGTTTTACTCCTGTGAAACTAA
CACTTGTTTTACTTGGGTCTGGAAAGACAAATTGACTCGTTTGTGCAGGA
AAAGATCAGATGGGAGAAGAAACTTGAAGAAATATCAGAAGACTCACTGT
GGGAGGAATTACTGAGGGAGCAAGAAAATCTGCGTGCGAAACAAGAATAT
CTTATTGAAGATGCTCTAGATCTGCTGGATATCAGTAATGATGACTGAAG
CGGAAGTGGCGGACCCCTACCACGTGTTGATACCAACCGGTGTGAAGACT
GATAAGATGCGGAGTGAGCTGGATACCACTCACTTTATGTAAAGAGGAGA
CAAAGTATAATGTCTCTTTATTTTAAGTTTGTCGGTGTCGTTGTCTAGTC
ACGCACGATGACCTTTAGTGACTTTGCAGGATTCTTACGCAAAGTTGTTA
GGCCAGAGACATGTGATGATGCTTATCTGCATTATTGGTGGATGCCACCT
```

AACGATGCCAGAAAGCTCCACAACTCTCTATATAAGGAGCCTTGTATTCA
GGTTGCAAACACGCACCACAACGCGAGTTTACTCCTGATTTGAGAAATAA
AAACTTCTGTGCTTGAAACACACTTTGTGCGAGTTCACTTTGTGCGAGTA
GAGCGCAAGATCCTAGTTCCGCGAGCGTAGACCCGTC

SEQ ID NO: 2

```
  1   AGAACAAGAA TATCTTATTG AAGATGCTCT AGATCTGCTG GATATCAGTA

 51   ATGATGACTG AAGCGGAAGT GGCGGACCCC TACCACGTGT TGATACCAAC

101   CGGTGTGAAG ACTGATAAGA TGCGGAGTGA GCTGGATACC ACTCACTTTA

151   TGTAAAGAGG AGACAAAGTA TAATGTCTCT TTATTTTAAG TTTGTCGGTG

201   TGCGTTGTCT AGTCACGCAC GATGACCTTT AGTAACTTTG CAGGATTCTT

251   ACGCAAAGTT GTTAGGCCAG AGACATGTGA TGATGCTTAT CTGCATTATT

301   GGTGGATGCC ACCTAACGAT GCCAGAAAGC TCCACAACTC TCTATATAAG

351   GAGCCTTGTA TTCAGGTTGC AAACACGCAC CACAACGCGA GTTACTCCT

401   GATTTGAGAA ATAAAAACTT CTGTGCTTGA AACACACTTT GTGCGAGTTC

451   A
```